PATENT COOPERATION TREATY

From the .
INTERNATIONAL SEARCHING AUTHORITY

To: see form PCT/ISA/220			PCT			
			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43 <i>bis</i> .1)			
l			Date of mailing (day/month/year) see	e form PCT/ISA/210 (second sheet)		
Applicant's or agent's file reference see form PCT/ISA/220			FOR FURTHER ACTION See paragraph 2 below			
	national application No. T/GB2004/005415	International filing date (d 23.12.2004	Priority date (day/month/year) 31.12.2003			
International Patent Classification (IPC) or both national classification and IPC B01D53/22, C01B21/04, C01B13/02, B01D63/02, B01D63/10						
Applicant SMARTMEMBRANE CORP						
2.						
3.	For further details, see notes to F	form PCT/ISA/220.				

Name and mailing address of the ISA:



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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2004/005415

1AP20 Rec'd PCT/PTO 29 JUN 2006

_			Partition of the state of the s			
_	Box	N	o. I Basis of the opinion			
1.		With regard to the language , this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
		lan	is opinion has been established on the basis of a translation from the original language into the following guage , which is the language of a translation furnished for the purposes of international search or representation of the purposes of international search or representation of the purpose of the			
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
	a. type of material:					
	Ε		a sequence listing			
		כ	table(s) related to the sequence listing			
	b. format of material:					
			in written format			
	[)	in computer readable form			
	c. time of filing/furnishing:					
		J	contained in the international application as filed.			
)	filed together with the international application in computer readable form.			
	C	3	furnished subsequently to this Authority for the purposes of search.			
3.		has cop	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto s been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.			
4	Additional comments:					

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

49,50

No:

Claims

1-48,51

Inventive step (IS)

Yes: Claims

49.50

No: Claims 1-48,51

Industrial applicability (IA)

Yes: Claims

1-51

No: Claims

2. Citations and explanations

see separate sheet

Box No. VI Certain documents cited

1. Certain published documents (Rules 43bis.1 and 70.10)

and /or

2. Non-written disclosures (Rules 43bis.1 and 70.9)

see form 210

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2004/005415

Re Item V:

- Reference is made to the following document:
 - D1: US 5 202 023 A (JOHNNY L. TRIMMER ET AL.) 13 April 1993 (1993-04-13)
- The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of independent claims 1, 28, 31, 42 and 51 is not new in the sense of Article 33(2) PCT.
 - Document D1 discloses (see in particular the passages as indicated in the international search report) a method and a module (system) of/for separating air into nitrogen and oxygen enriched fractions using a plurality of strands of hollow fibre separation membrane wound around a core, where a pressure difference of less than 30 psi is applied.
- 3. The subject-matter of dependent claims 2-27, 29, 30, 32-41, 43-48 is evenly disclosed in document D1 (see the same passages in particular). Their subject-matter is not new in the sense of Article 33(2) PCT.

Re Item VI:

Certain published documents

Application No Patent No	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
EP-A-1442783	04.08.2004	16.01.2004	17.01.2003

Re Item VIII:

Although claims 28, 31 and 51 have been drafted as separate independent claims, they appear to relate effectively to the same subject-matter and to differ from each other only with regard to the definition of the subject-matter for which protection is sought and/or in respect of the terminology used for the features of that subject-matter. The aforementioned claims therefore lack conciseness and as such do not meet the requirements of Article 6 PCT.

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International application No.

PCT/GB2004/005415